



Docket Number: 071469-0305915

Client Reference: RAJ-008

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re the Application of

HIDEAKI YAMASAKI, et al.

Group Art Unit: 2812

Application No.: 10/673,646

Examiner:

Filed: September 30, 2003

Confirmation No.:

For: METHOD OF FORMING A METAL LAYER USING AN INTERMITTENT
PRECURSOR GAS FLOW PROCESS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. As this application was filed after June 30, 2003, no copies of the 17 cited U.S. patents/patent publications are enclosed. However, one copy of each international reference is enclosed for the Examiner's review. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

Respectfully Submitted,

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Date: February 18, 2004

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Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

Complete if Known

Application Number	10/673,646
Filing Date	09/30/2003
First Named Inventor	HIDEAKI YAMASAKI
Art Unit	2812
Examiner Name	
Attorney Docket Number	071469-0305915

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1	US-	6,635,965 B1	10-21-2003	LEE et al.	
	2	US-	6,616,986 B2	09-09-2003	SHERMAN	
	3	US-	6,551,929 B1	04-22-2003	KORI et al.	
	4	US-	6,511,867 B2	01-28-2003	LOWREY et al.	
	5	US-	6,551,539 B1	01-28-2003	RAAIJMAKERS	
	6	US-	6,475,910 B1	11-05-2002	SNEH	
	7	US-	6,451,695 B2	09-17-2002	SNEH	
	8	US-	5,916,365	06-29-1999	SHERMAN	
	9	US-	5,306,666	04-26-1994	IZUMI	
	10	US-	2003/0203616 A1	10-30-2003	CHUNG et al.	
	11	US-	2003/0190802 A1	10-09-2003	WANG et al.	
	12	US-	2003/0124787 A1	07-03-2003	WANG et al.	
	13	US-	2003/0104126 A1	06-05-2003	FANG et al.	
	14	US-	2003/0013300 A1	01-16-2003	BYUN	
	15	US-	2002/0192953 A1	12-19-2002	WANG et al.	
	16	US-	2002/0187256 A1	12-12-2002	ELERS et al.	
	17	US-	2002/0066411 A1	06-06-2002	CHIANG et al.	
		US-				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)						
	A	WO	03/029515	A2	04-10-2003	LAI et al.		
	B	WO	03/016588	A1	02-27-2003			X

Examiner
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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